

**St. Louis 8-Hour Ozone/PM2.5 Control Strategies Workgroup Meeting  
June 7, 2005  
East-West Gateway Office  
St. Louis, MO**

**1. Introductions**

**2. Project Schedule-John Rustige**

Handed out schedule for modeling and SIP development. It takes 18-20 months on the Missouri side to complete the rulemaking process. Some of the modeling and rulemaking activities will be occurring in parallel.

Question – How does this affect Illinois?

Answer - The timeline is the same for Illinois, but the rulemaking process is approximately 12 months. Illinois also has an option to fast track the rulemaking process for certain federal requirements.

Question – What is the PM-2.5 timeline?

Answer – This is an integrated ozone and PM-2.5 project. Because there's an extra eight months to develop the PM-2.5 SIP, we're following the ozone timeline right now. We will likely end up taking the extra time for the PM-2.5 SIP because it's a newer issue and we're still learning about PM-2.5.

**Episodic Modeling Update—Wendy Vit and Rob Kaleel**

Working on 2002 emissions inventory. Looking at doing four different episodes for photochemical modeling. Already completed photochemical modeling inputs for two of the four episodes. Draft at this point. Need to QA the data. Next meeting we could plan to do a presentation for emissions modeling, something more basic than the presentation given at yesterday's modeling workgroup meeting.

The contract was awarded to two firms, Environ and Alpine. They will provide assistance in compiling data and other inputs needed for photochemical models.

There was a question about the Missouri PM-2.5 emissions inventory that was based on the EPA's PM Calculator. Wendy Vit said up to this point in the process, the focus has primarily been on the ozone precursor inventory, NOx and VOC emissions, and the PM-2.5 inventory needs to be reviewed more closely. She said MDNR recently completed a revision to the PM-2.5 inventory that will be incorporated into the modeling inventory. Rob Kaleel said the modeling inventory

will likely be finalized some time this fall and there is still time to provide comments.

At the next meeting it was suggested to show modeling slides.

### **Annual PM-2.5 Modeling Update**

PM-2.5 need to model annually. Some problems have arisen. Very big modeling files. Lots of resource issues.

Processing at four modeling hubs: Illinois, Missouri, EPA Region VII, and AmerenUE. Annual Standard. Need inputs for entire year, well on the way to completion.

The SIP website is a little dated. Will try to update by middle of week.

### **3. Project Schedule-John Rustige**

#### **4. Interaction with Modeling Workgroup for Inventory Growth and Control—John Rustige**

This is the first opportunity for the workgroups to work together. The contractor has developed two draft memos proposing methods and data to be used for growth and control of the 2002 base inventory. The future year is 2009. The contractor's work only addresses state and federal regulations already in place. Need to look over and go through them and comment. John will send e-mail to everyone with documents attached. Also available on contractors FTP website. We committed to have comments to contractor by end of June. Need comments from everyone by June 17.

There was a question about the Clean Air Interstate Rule and utility growth. Rob Kaleel said various models and data will be used for growing the inventory—EGAS for most sources, 2009 VMT from East-West Gateway, and possibly the IPM model for electric generating units (EGUs). The regional planning organizations are working on a set of IPM runs that will evaluate several different CAIR implementation scenarios. He said resources are not available to do any IPM runs specifically for the St. Louis process. It is a very costly – around \$75,000. It also takes 3-4 months to setup a run.

#### **5. RPO Modeling Study Presentation-Rob Kaleel**

Shared with group the modeling runs completed which included St. Louis. MACTEC did 11 control strategy white papers. They focused on point and area

source control measures. Parallel project to address BART for non-EGU sources. First round of white papers can be found at: [http://www.ladco.org/regional\\_air\\_quality.html](http://www.ladco.org/regional_air_quality.html). Rob then presented his slide presentation.

## **6. Control Strategies Options Matrix-John Rustige**

Emissions reductions/tons reductions.

Items discussed:

Cost-breakdown capital & cost expense

Air Impact-

Feasibility-public support, fairness, etc.

Timing-implement in needed time frame.

Ancillary Air Pollutant Reductions-reductions in pollutants

Ancillary Environmental Benefits-positive or negative environment

Non Air Quality Benefits-traffic concerns, smart growth and development.

Each state needs to develop the matrix further and share drafts with everyone.

Need to address fuels (e.g., ethanol, biodiesel) issues also. Focus discussion on deliverabilities. Coordinate efforts with modelers and AQAC.

This workgroup could recommend sensitivity studies to the modeling workgroup.

Outreach: During the SIP process there needs to be a website to keep everyone updated on modeling, AQAC, and SIP development. Need to advertise more and also make press releases. At the next meeting show the website to everyone.

## **7. Voluntary Measures-**

Staff person has been assigned on Missouri side to kick off voluntary measures subgroup. Will set up initial conference call soon. Announcement to be made by e-mail.

## **8. I/M Summit-John Rustige**

Confirmed the date of July 22 at 10:00 a.m. in the East-West Gateway Room.

Details will be announced later. Let Leanne know if you are interested. Need a kickoff meeting to discuss. Also need to involve repair community.

Illinois only has OBD program. No legislation yet to extend contract. Should expire sometime in 2006.

## **9. Other Issues/Review/Next Steps-**

John had a flyer for the Air Innovations Conference in Chicago on August 24-26, 2005. APCP staff attended the conference last year.